

## CLAIMS

1. A photoelectric imaging sensor comprising:
  - a photo cathode converting an incident light into photoelectrons;
  - 5 a photomultiplier, kept vacuum inside thereof, intensifying photoelectrons converted by said photo cathode;
  - an output electrode array at which photoelectrons intensified by said photomultiplier arrives; and
  - connecting means for electrically connecting said output electrode array to
  - 10 pick-up electrodes arranged outside said photomultiplier.
2. The photoelectric imaging sensor according to Claim 1, wherein said output electrode array has a plurality of plate electrodes of an array arrangement so as to neighbor to each other at vertical direction, and support electrodes electrically connecting said plate electrodes neighboring to each other at vertical direction
- 15 together.
3. The photoelectric imaging sensor according to Claim 1 or 2, wherein said connecting means are anisotropic conductive rubber or metal bulbs.
4. An output electrode array for a photoelectric imaging sensor, having a plurality of plate electrodes of an array arrangement so as to neighbor to each
- 20 other at vertical direction, and support electrodes electrically connecting said plate electrodes neighboring to each other at vertical direction together.